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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/030,163

04/25/2002

Albert Modl

MODL3002/JEK

4360

23364

7590

07/14/2005

BACON & THOMAS, PLLC
625 SLATERS LANE
FOURTH FLOOR
ALEXANDRIA, VA 22314

EXAMINER

ST CYR, DANIEL

ART UNIT

PAPER NUMBER

2876

DATE MAILED: 07/14/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/030,163	Applicant(s) MODL ET AL.	
	Examiner Daniel St.Cyr	Art Unit 2876	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 18 April 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-18 is/are rejected.
- 7) ☒ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

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DETAILED ACTION

1. In view of the appeal filed on 4/18/05, PROSECUTION IS HEREBY REOPENED. A new rejection has been set forth below.

To avoid abandonment of the application, appellant must exercise one of the following two options:

(1) file a reply under 37 CFR 1.111 (if this Office action is non-final) or a reply under 37 CFR 1.113 (if this Office action is final); or,

(2) request reinstatement of the appeal.

If reinstatement of the appeal is requested, such request must be accompanied by a supplemental appeal brief, but no new amendments, affidavits (37 CFR 1.130, 1.131 or 1.132) or other evidence are permitted. See 37 CFR 1.193(b)(2).

Claim Objections

2. Claims 8 and 9 are objected to because of the following informalities:

Claim 8, lines 2 and 3, “the” before “additional” should be changed to --an-- and before “environmental” should be deleted.

Claim 9, line 3 “the” before “sensor” should be changed to --a--.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-18 are rejected under 35 U.S.C. 103(a) as being unpatentable over Olsen et al, US Patent No. 5,719,950 in view of Hoffberg et al, US Patent No. 6,081,750.

Olsen et al disclose a biometric personal authentication system comprising: a fingerprint image sensor 10 inputting data for analysis to computer logic and memory functions 4 for unique, inherently specific identification, and non-specific biometric sensors 24, 26, and 28 with signal process functions 30 inputting information for analysis to computer system 6 to recognize electrocardiogram (EKG), pulse, and blood oxygen saturation for nonspecific biometric validation and skin temperature for further optional validation; a fingerprint recognition camera 10; a detector window 42, the detected image is captured and analyzed by image processor 12, developed into a vector array of fingerprint minutiae which is validated by comparator 14 through correlation of the scanned image vector array with the array selected from pre-stored memory file 16. (see figures 1, 7, and col. 6+).

Olsen discloses detecting properties that influences the sensory detection of the biometric data, but fails to specifically teach that these properties are stored in a second (separate) memory storage to be taking into account during authentication.

Hoffberg et al disclose an ergonomic Man-machine interface incorporating adaptive pattern recognition based control comprising: providing identification for multiple users using smart cards having users preference including biometric information stored therein and also disclose storing dynamic influences (blood pressure, skin temperature, EEG, EMG, etc) of the user preference in a separate storage space (see col. 34, lines 18-33 and col. 49, lines 56-65).

In view of Hoffberg et al's teachings, it would have been obvious for a person of ordinary skill in the art at the time the invention was made to modify the system Olsen to provide

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additional storage space for storing the dynamic influence of the user biometric data. Such modification would make the system more reliable by providing means to account for environmental conditions so as to obtain more accurate results. For instance, if the reference data was captured at skin temperature of 100 degrees, during authentication if the skin temperature is not within that range, the system could adapt to account for the temperature difference (i.e. adjusting the calibration parameters, setting up different threshold values, etc). Therefore, it would have been an obvious extension as taught by Olsen. Olsen as modified by Hoffberg would be capable of performing all the method steps of the claims.

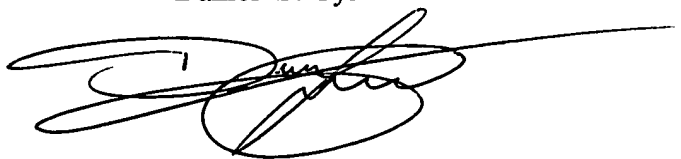
Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Daniel St.Cyr whose telephone number is 571-272-2407. The examiner can normally be reached on Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael G. Lee can be reached on 571-272-2398. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Daniel St.Cyr

A handwritten signature in black ink, appearing to read 'Daniel St.Cyr', with a long horizontal line extending to the right.